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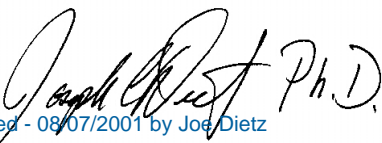
Certificate of Analysis

Product Description: Nisin_
Catalog Number: 155839_
Lot: R12353_

Formula: C₁₄₃H₂₃₀N₄₂O₃₇S₇
CAS #: 1414-45-5
Physical Description: Cream Powder

Formula Weight: 3354.25
Storage: Room Temperature

Test	Specification	Result
Identity Test	Passes	Passes
Activity	Report	650 u/mg
Nisin Content	~2.5%	Passes
Source	<i>Lactococcus lactis</i>	Passes
Moisture	≤3.0%	1.6%
pH (10% aq suspension)	3.1 - 3.6	3.3


Approved - 08/07/2001 by Joe Dietz
MP Biomedicals, LLC.
Technical Director

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